## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |
|---------------------------|----------|--------|----------|
| FEE DETERMINATION         | MX       | 2051   | 9/13     |
| O.I.P.E. CLASSIFIER       | 10/      | 32     | 97/9     |
| FORMALITY REVIEW          | 7        | 17634  | 10122100 |
| RESPONSE FORMALITY REVIEW |          |        |          |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

| Cla      | im (        |             |         |         | - (          | Dat      | e   |          |          |          |          | ] [c       | laim     |              |           |        |             | Da       | te   |          |  |              |              | ] [          | Cla            |   |
|----------|-------------|-------------|---------|---------|--------------|----------|-----|----------|----------|----------|----------|------------|----------|--------------|-----------|--------|-------------|----------|--|----------|--|--------------|--------------|--------------|----------------|---|
|          |             | T           | Т       | Т       | T            |          | Ť   | Γ        |          |          | Г        | 1 F        | 1        | T-           | П         |        |             | Г        |  |          |  |              | Γ            | 1 1          |                |   |
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| F,       | <b>7</b> \$ | 15          | +       | - -     | $\dagger$    | ┪        | _   | -        |          |          |          | -          | 51       | 1            | П         | _      | Т           |          | lТ   |          | Г  |              | -            | 1 1          |                | İ |
| H        | 2           | 7           | +       | ╅       | +            | $\dashv$ | _   |          | -        | H        | H        | 1          | 52       |              | Н         |        | Т           | 一        | Г  | 1        | Г  | Г            | Г            | 1 1          |                |   |
|          | 3           | 7           | ╅       | +       | $\forall$    | $\neg$   |     | $\vdash$ | $\vdash$ |          | $\vdash$ | 1          | 53       | _            | $\vdash$  |        | _           | Н        |  |          |  | t            |              | 1 1          |                | ĺ |
|          | 4           | 1           | ╁       | ┿       | +            | -        | -   |          | $\vdash$ | ┢        | H        | 1  -       | 54       | _            | $\vdash$  |        | $\vdash$    | $\vdash$ | <del>                                     </del> | 一        | H  | 1            | <del> </del> | 1 t          |                | İ |
| H        | 5           | u           | ╁       | ╅       | $\dagger$    | $\dashv$ | _   |          |          | -        | ÌТ       | 1          | 55       | -            | П         | _      |             |          |  |          | $\vdash$   |              | ┪            | i i          |                | ĺ |
| -        | 6           | u           | +       | +       | +            | -        | _   |          |          |          | <b>†</b> | -          | 56       |              | Н         |        | Т           | Н        |  |          | ┢  | T            | 1            | 1 1          |                | İ |
| $\vdash$ | 7           | ij          | ┿       | 十       | $\dagger$    | ┪        | _   | -        | f        |          | ļ —      | 1          | 57       | $\vdash$     | П         |        | $\vdash$    |          |  | i        | T  |              |              | 1 1          |                | İ |
| -        | 8           | 4           | +-      | +       | +            | -        |     | -        |          | ┢        | 一        | 1  -       | 58       | $^{\dagger}$ | П         |        |             |          | -  |          |  |              |              | 1 1          |                | ĺ |
| H        | و           | 7           | +       | +       | $^{\dagger}$ |          | _   |          | $\vdash$ | t        | H        |            | 59       | 1            |           |        |             | Н        |  | <u> </u> | ╁  |              | _            | 1 1          |                | i |
| 1        | 10          | ) 1         | +       | +       | +            | -        |     | -        |          | Н        | _        |            | 60       | -            | H         |        | $\vdash$    | -        | -  | T        | ┢  | İ            | Ι.           | 1            |                |   |
| H        | 10<br>11    | 4           | +       | ╁       | ╁            | ┪        |     |          | ┢        | ╁        | -        | -          | 61       | $\vdash$     | H         |        | $\vdash$    | $\vdash$ | -  | $\vdash$ | t  | İ            | H            | 1            | -              | ۱ |
| $\vdash$ | 12          | 7           | +       | +       | +            | ᅥ        |     |          | $\vdash$ | $\vdash$ | $\vdash$ | l          | 62       | <del> </del> | $\vdash$  | _      | $\vdash$    |          |  | ┢        | $\vdash$   | <del> </del> | -            | 1            | _              |   |
| $\vdash$ | 12<br>13    | 1           | ╁       | ╅       | $^{+}$       | ┪        |     |          | $\vdash$ | H        | $\vdash$ |            | 63       | $\vdash$     | Н         |        |             |          | -  | ╁╌       | H  |              | $\vdash$     | 1 1          |                |   |
|          | 14          | 7           | +       |         | +            | $\dashv$ | _   |          | -        | $\vdash$ | $\vdash$ |            | 64       | -            |           |        | $\vdash$    |          | $\vdash$   | ┢        | <del>                                     </del> | $\vdash$     | $\vdash$     | 1            | $\neg$         |   |
| -        | 15          | 1           | +       | +       | ╅            |          | _   |          | $\vdash$ | -        | ├        | l  -       | 65       | -            | $\vdash$  |        |             |          | $\vdash$   | Н        | <del> </del>                                     |              |              | 1            |                | i |
| $\vdash$ | 16          | 1           | ╫       | +       | +            | $\dashv$ | _   |          | -        | ┢        | ┢        | -          | 66       |              | Н         | _      | -           | -        | $\vdash$   | $\vdash$ | H  |              | $\vdash$     | 1            | -              | ŀ |
| -        | 17          | 7           | +       |         | +            | ┪        |     |          | ┢        | ┢        | ├        | -          | 67       | +-           | H         |        | ┢           | ┢        | $\vdash$   | ├        |  |              | -            | 1            | $\dashv$       |   |
| $\vdash$ | 18          | 7           | +       | +       | +            | ┪        |     |          |          | -        | $\vdash$ | -          | 68       |              | Н         |        | $\vdash$    | -        | $\vdash$   | ╁        | ├-   | $\vdash$     |              | 1            | _              | i |
| -        | 19          | -           | +       | +       | +            | $\dashv$ |     |          |          | $\vdash$ | ├─       | -          | 69       |              | Н         |        | -           |          |  | ╁╾       | ├  | $\vdash$     | -            | 1 1          | $\dashv$       | i |
| -        | $\sim$      | V           | +       | +       | +            | -        | _   |          |          | H        | $\vdash$ | <u> </u> - | 70       | H            | $\vdash$  |        |             | -        | -  | $\vdash$ | $\vdash$   | -            | $\vdash$     | 1 1          | _              | ŀ |
| _        | 20          |             |         | -       | +            | -        |     |          |          | -        | ├-       | -          |          | -            | -         |        | <u> </u>    |          | H  | $\vdash$ | ┝  | ├            | <u> </u>     | <del> </del> | -              | ľ |
| 1        | 21          | 1           | +       | +       | +            | $\dashv$ |     |          | ┝        | <u> </u> | -        | l ⊢        | 71       | -            | $\vdash$  |        | -           |          | -  | ├-       | ├  | -            | ├-           | {            | -              |   |
| <u>.</u> | 22          | 4           | +       | +-      | +            |          |     |          | ┝        | -        |          | -          | 72       |              | -         |        |             |          | -  | ┢        | ┝  | -            | <del> </del> | ł            | $\dashv$       |   |
| 4        | 23          | <u> 4</u>   | 4       | +       | +            | $\dashv$ |     |          | <u> </u> | $\vdash$ | -        | -          | 74       | -            | $\vdash$  |        | _           | _        |  | -        |  |              | _            |              |                |   |
| _        | 24          | 4           | +       | +       | +            | $\dashv$ |     |          | _        | -        | <u> </u> | -          | -        | -            |           |        |             | 7 20     | -  | -        | -  |              | -            |              | -              | ľ |
| H        | 25          | 4           | +       | +       | +            | $\dashv$ |     |          | _        |          | ⊢        | -          | 75       | -            |           |        |             |          |  | -        | -  |              |              | 1            |                |   |
| Н        | 26          | 1           | +       |         | 4            | 4        |     |          | <u> </u> |          | <u> </u> |            | 76       | ├-           |           | _      | $\vdash$    |          |  | ⊢        | -  |              |              | 1            | +              | t |
|          | 27<br>20    | 17          | +       | +       | +            | 4        |     |          | <u> </u> | _        | <u> </u> | -          | 77       | <u> </u>     | H         |        | H           | _        | _  | H        | ┢  | -            | -            | 1            | Н              |   |
| $\vdash$ | 28          | 7           | +       | - -     | 4            | -        |     |          | <u> </u> | _        | ⊢        |            | 78       |              | Н         |        | <u> </u>    |          |  |          | <u> </u>   | -            |              |              | $\blacksquare$ |   |
|          | 29          | <del></del> | +       | 4-      | 4            | 4        |     | _        | _        | _        | _        | <u> </u>   | 79       | L            |           |        | <u>_</u>    |          |  |          | ├  | L            |              | 1            |                | t |
| _        | 30          | $\perp$     | +       | +       | +            | 4        |     |          | <u> </u> | -        | ļ        | -          | 80       | H            |           |        | <u> </u>    |          |  | $\vdash$ | -  |              |              | } }          |                |   |
| <u> </u> | 31          |             | +       | _       | +            | 4        |     |          |          | -        | <u> </u> | -          | 81       |              |           |        |             |          |  |          |  | L            |              | 1            |                | t |
|          | 32          |             | 4       | +       | 4            | -        |     |          | <u> </u> | <u> </u> | _        | <u> </u>   | 82       | -            |           |        |             |          | _  | -        | -  |              | _            | 1            | -              |   |
|          | 33          | _           | $\perp$ | - -     | 4            | -        |     |          |          | <u> </u> | <u> </u> | -          | 83       | _            | Ш         |        | <u> </u>    |          | <u> </u>   |          | -  | _            | _            | <b>!</b>     |                |   |
|          | 34          | +           | +       | - -     | 4            | 4        |     |          |          | _        | _        |            | 84       |              | $\sqcup$  |        |             |          | _  | _        |  |              |              | <b>!</b>     | _              |   |
|          | 35          | _           | +       | $\perp$ | 4            | 4        |     | _        | <u> </u> |          | <u> </u> |            | 85       |              | Н         |        |             |          | <u> </u>   | -        | ┡  |              | <u> </u>     | <b>!</b>     | _              |   |
| 4        | 36          | _ _         | 4       | _       | 4            | 4        |     |          | _        | _        |          | l ∟        | 86       | $\perp$      | $\sqcup$  |        | Ш           |          | _  | _        | <u> </u>   | L            | L.,          |              | _              |   |
| L.       | 37          | _           | 4       | 4       | 4            | _        |     |          |          |          | <u> </u> | l ⊨        | 87       | L            | Ш         |        |             |          |  | <u> </u> | <u> </u>   | _            | <u> </u>     |              |                |   |
| $\sqcup$ | 38          | _           | _       | 4       | 4            | _        | _   |          | _        |          | <u> </u> | l ⊢        | 88       |              | $\square$ |        |             |          | •  | _        |  |              |              |              | _              | 1 |
|          | 39          | 4.          | 4       | - -     | 4            | 4        | _   |          | $\vdash$ | L        | <u> </u> |            | 89       |              | $\vdash$  |        | $\vdash$    |          | _  | <u> </u> | $\vdash$   |              | $\vdash$     |              | _              |   |
| $\Box$   | 40          | $\perp$     | $\perp$ | ⊥       | $\perp$      | ļ        |     |          | _        |          | L.       | L          | 90       | L            | Ш         |        |             |          | L  | _        | <u> </u>   |              |              |              | _              | 1 |
|          | 41          | $\perp$     |         |         |              |          |     |          | L        | L        |          |            | 91       |              | Ш         |        | $\bigsqcup$ |          |  |          | L  |              |              | 1 L          |                |   |
|          | 42          | $\perp$     | I       | Ι       | I            |          |     |          |          |          |          |            | 92       |              |           |        |             |          |  |          |  |              |              | [            |                |   |
|          | 43          | $\Box$      | Ι       | Ι       | I            | J        |     |          |          |          |          |            | 93       |              |           |        |             |          |  |          |  |              |              | [            |                | ۰ |
| П        | 44          | T           | T       | T       | T            | ٦        |     |          | Γ        |          |          |            | 94       |              |           |        |             |          |  |          |  |              |              | J            |                |   |
|          | 45          |             | Ţ       | J       | T            |          |     |          |          |          |          |            | 95       |              |           |        |             |          |  |          |  |              |              |              |                | 1 |
|          | 46          | $\top$      | T       | T       | T            | T        |     |          |          |          |          |            | 96       |              |           |        |             |          |  |          |  |              |              | ] [          |                |   |
| Γ.       | 47          | op          | 7       | T       | 7            | 7        |     |          |          | Γ        |          |            | 97       | П            |           |        |             |          |  |          |  |              |              | [            |                | • |
|          | 48          | $\top$      | $\top$  | 1       | +            | 寸        |     | _        | Г        |          |          |            | 98       |              | П         |        | П           |          |  |          |  | П            |              |              |                | • |
| 1 7 1    |             | _           | 1       | $\neg$  | $^{+}$       | 7        |     |          |          | г        | -        |            | 99       | П            | П         | $\neg$ |             |          |  |          |  |              |              | 1            |                | • |
| H        | 49          | - 1         | -       | - 1     | - 1          |          | - 1 |          | 1        |          |          |            | 100      | 1 1          |           |        | ,           |          |  |          | 1  |              | , ,          |              |                |   |

| Cla   | im         |          |              |  |           | Dat      | te       |              |          |              |          |
|-------|------------|----------|--------------|--|-----------|----------|----------|--------------|----------|--------------|----------|
| -     |            |          | Г            |  |           |          |          |              |          |              |          |
| Final | Original   |          |              |  |           |          |          |              |          |              |          |
| _     | 101        |          | $\vdash$     |  |           | _        | -        |              | -        | $\vdash$     | $\vdash$ |
|       | 102        | -        | <del> </del> | $\vdash$   |           |          | -        |              | -        | $\vdash$     | Н        |
|       | 103        | -        | $\vdash$     | <del>                                     </del> | $\vdash$  |          | $\vdash$ | $\vdash$     |          | $\vdash$     | Н        |
| _     | 104        | _        | <del> </del> |  |           |          |          | -            |          |              | -        |
|       | 105        | -        | -            | ├  | $\vdash$  | $\vdash$ | $\vdash$ | $\vdash$     |          | $\vdash$     | Н        |
|       |            | -        | ├            | <u> </u>   |           | _        | <u> </u> | ⊢            |          | <del> </del> | Н        |
|       | 106<br>107 |          | ⊢            | ┝  | ⊢         | -        |          | $\vdash$     | -        | $\vdash$     | $\vdash$ |
|       | 108        |          | -            | ⊢  |           | ├        | -        | <del> </del> |          | ┝            |          |
| _     | _          | -        | ⊢            | -  | <u> </u>  |          |          | H            |          | $\vdash$     | Н        |
|       | 109        | ļ        | <u> </u>     | ├-   | <u> </u>  | <u> </u> |          | _            | <u> </u> |              | Н        |
|       | 110        | _        | <u> </u>     | <u> </u>   | <u> </u>  | <u> </u> | _        | <u> </u>     |          | -            | Н        |
|       | 111        | _        | <u> </u>     | <u> </u>   | ļ         | <u> </u> | ļ        |              |          | <u> </u>     | Н        |
|       | 112        | <u> </u> | -            | $\vdash$   | <u> </u>  | _        | -        |              | _        | <u> </u>     | -        |
| _     | 113        | -        | _            | <u> </u>   |           |          | $\vdash$ |              |          |              | Н        |
|       | 114        | -        | -            | _  |           | _        | <u> </u> | _            | <u> </u> |              | Н        |
| _     | 115        | -        | _            | <u> </u>   | _         |          |          |              |          |              |          |
|       | 116<br>117 | -        |              | <u> </u>   |           | _        | $\vdash$ | _            | _        |              | Н        |
|       | 118        |          |              | -  |           |          |          |              | _        | H            | Н        |
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|       | 119        |          |              | -  | <u> </u>  |          | ├—       | <u> </u>     |          | -            | $\vdash$ |
|       | 120        | <u> </u> |              | <u> </u>   | L         | L        | _        | L            | <u> </u> | _            | Ш        |
|       | 121        |          |              | L  | <u> </u>  | L        | _        | <u> </u>     | _        | _            | Ц        |
|       | 122        |          |              | _  |           | <u> </u> | _        | _            |          |              | Щ        |
|       | 123        |          |              | <u> </u>   | _         | L_       | _        | _            | _        | _            | Ш        |
|       | 124        |          |              | _  |           |          |          |              |          | _            | Ш        |
|       | 125        | -        |              |  |           |          |          |              |          |              |          |
|       | 126        |          |              |  | _         | <u> </u> | _        |              | _        |              | Щ        |
|       | 127        |          |              |  | L.,       |          |          | _            |          |              | Щ        |
|       | 128        |          |              | _  | <u> </u>  |          |          |              |          | Ļ.,          | Н        |
|       | 129        |          |              | <u> </u>   | <u> </u>  |          |          |              |          | Ш            | Н        |
|       | 130        |          |              | _  | <u> </u>  |          |          |              | _        | L            | Н        |
|       | 131        |          |              |  | _         |          | -        |              |          |              |          |
|       | 132        |          | <u> </u>     |  | -         | -        | _        |              |          |              |          |
|       | 133        |          | _            | <u> </u>   | <u> </u>  |          | H        |              | _        | L            | Щ        |
|       | 134        |          |              | L  |           | $\vdash$ |          |              |          | H            | Н        |
|       | 135<br>136 |          | -            | -  | H         | $\vdash$ |          |              |          | $\vdash$     | Н        |
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|       | 137        |          | _            |  | $\vdash$  |          |          |              | _        | _            | -        |
|       | 138        |          |              |  |           |          | _        |              |          |              | $\dashv$ |
|       | 139        |          |              |  | <u> </u>  |          | _        |              |          |              | $\dashv$ |
| _     | 140        |          | _            |  |           |          |          |              |          |              | $\dashv$ |
| _     | 141        |          |              |  | Щ         | -        |          |              |          |              | Ц        |
|       | 142        |          |              |  | _         |          |          |              |          |              | Ц        |
|       | 143        |          |              |  |           |          | Щ        |              |          | Ш            | Щ        |
|       | 144        | _        |              | L  |           | Ш        | Ш        | <u> </u>     | L        |              | Ш        |
|       | 145        |          |              |  | Щ         |          | Ш        |              |          | Щ            | Ш        |
|       | 146        |          |              | $\vdash$   | $\square$ |          | Щ        |              |          | Щ            | Щ        |
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|       | 148        |          | _            |  | _         | _        | Ш        |              |          | Щ            | Ц        |
|       | 149        |          | Щ            |  | $\sqcup$  |          | Щ        |              | _        | Ц            | Ц        |
|       | 150        |          |              |  |           |          | Ш        | Ļ            | <u> </u> |              | Ш        |
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If more than 150 claims or 10 actions staple additional sheet here

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